

Fields, Strings and Quantum Gravity. HANYING GUO, ZHAOMING QIN, and HENRY TYE, Eds. Gordon and Breach, New York, 1990, xiv, 435 pp., illus. Paper, \$105. China Center of Advanced Science and Technology (World Laboratory) Symposium/Workshop Proceedings, vol. 6. From a workshop, Beijing, May 1989.

In October 1986 the China Center of Advanced Science and Technology was established in Beijing "to introduce important frontier areas of science to China and to promote the free exchange of scientific information between China and other nations." The Center is undertaking to hold, annually, several international symposium/workshops on subjects that hold promise for development in China. This volume stemming from one such event consists of ten invited papers: S. Deser on three-dimensional gravity theories; G. 't Hooft on black holes and the quantization of gravity; H. C. Lee on Hopf algebra, complexification of $U_q(sl(2, c))$, and link invariants; Y. Ne'eman and coauthors on world spinors and gravity as a spontaneously broken affine theory and on two-dimensional conformal field theory, duality, and Mac Lane's coherence; A. Sen on conformal field theories on Riemann surfaces; H. Tye on closed string field theory; C. Vafa on superstring vacua; Z. B. Zamolodchikov on fractional spin integrals in perturbed conformal field theory; and S. Coleman on wormhole dynamics (this last based on lecture notes taken by others). In addition to the overseas visitors some 90 Chinese scientists were in attendance. A distinguishing feature of this symposium and an overlapping one on relativistic heavy ions was that they were held at the time of the reformist demonstrations in China and were cut short by the killings that occurred in Tiananmen Square on 4 June, circumstances discussed in a brief preface by T. D. Lee. The book is dedicated to the memory of those who died in Tiananmen Square.—K.L.

Books Received

The Acoustics of Crime. The New Science of Phonetics. Harry Hollien. Plenum, New York, 1990, xiv, 370 pp., illus. \$49.50. Applied Psycholinguistics and Communication Disorders.

Advances in Fine Particles Processing. John Janna and Yosry A. Attia, Eds. Elsevier, New York, 1990, x, 472 pp., illus. \$135. From a symposium.

African Birds of Prey. Warwick Tarboton. Photographs by Peter and Beverly Pickford. Cornell University Press, Ithaca, NY, 1990, 227 pp., illus. \$45.

AIDS Vaccine Research and Clinical Trials. Scott D. Putney and Dani P. Bolognesi, Eds. Dekker, New York, 1990, xx, 481 pp., illus. \$99.75.

Cambridge Dictionary of Biology. Peter M. B. Walker, Ed. Cambridge University Press, New York, 1990, xii, 324 pp., illus. Paper, \$14.95. Second edition of *Chambers Biology Dictionary*.

Cambridge Dictionary of Science and Technology. Peter M. B. Walker, Ed. Cambridge University Press, New York, 1990, xvi, 1008 pp. \$39.95. Second edition of *Chambers Science and Technology Dictionary*.

Catecholamine Genes. Tong H. Joh, Ed. Wiley-Liss, New York, 1990, xii, 164 pp., illus. \$79.95. Neurology and Neurobiology.

The Challenge of Art to Psychology. Seymour B. Sarason. Yale University Press, New Haven, CT, 1990, xii, 188 pp., illus. \$25.

Chemically Modified Oxide Surfaces. Donald E. Leyden and Ward T. Collins, Eds. Gordon and Breach, New York, 1990, xiv, 410 pp., illus. \$71. Chemically Modified Oxide Surfaces, vol. 3. From a symposium, Midland, MI, June 1989.

Chronic Pain. Thomas W. Miller. International Universities Press, Madison, CT, 1990, 2 vols. Vol. 1, xxxvi, 361 pp., illus. \$50. Vol. 2, xviii, 520 pp., illus. \$65.

Chronobiology. Its Role in Clinical Medicine, General Biology, and Agriculture. Dora K. Hayes, John E. Pauly, and Russel J. Reiter, Eds. Wiley-Liss, New York, 1990, 2 vols. Vol. 1, xlvii, 822 pp., illus. \$175. Vol. 2, xlv, 940 pp., illus. \$195. Progress in Clinical and Biological Research, vol. 341A and 341B. From a conference, Bethesda, MD, June 1989.

The Conscious Universe. Part and Whole in Modern Physical Theory. Menas Kafatos and Robert Nadeau. Springer-Verlag, New York, 1990, xii, 214 pp., illus., + plates. Paper, \$29.95.

Control of Metabolic Processes. Athel Cornish-Bowden and Maria Luz Cárdenas, Eds. Plenum, New York, 1990, xiv, 454 pp., illus. \$95. NATO Advanced Science Institute series, vol. 190. From a workshop, Lucca, Italy, Apr. 1989.

Coulomb Interactions in Particle Beams. G. H. Jansen. Academic Press, San Diego, AC, 1990, x, 546 pp., illus. \$89. Advances in Electronics and Electron Physics, 21.

Countercurrent Chromatography. Apparatus, Theory, and Applications. Walter D. Conway. VCH, New York, 1990, xvi, 475 pp., illus. \$95.

A Course in Mathematics. For Students of Physics. Vol. 2. Paul Bamberg and Shlomo Sternberg. Cambridge University Press, New York, 1990, xviii, 443 pp., illus. \$54.50.

Creativity in the Arts and Science. William R. Shea and Antonio Spadafora, Eds. Science History (Watson), Canton, MA, 1990, xviii, 187 pp., illus. \$29.95. From a conference, Locarno, Italy, Oct. 1988.

Cry Lonesome and Other Accounts of the Anthropologist's Project. Miles Richardson. State University of New York Press, Albany, NY 1990, x, 176 pp., illus. Paper, \$12.95.

Demanding Clean Food and Water. The Fight for a Basic Human Right. Joan Goldstein. Plenum, New York, 1990, xiv, 271 pp., illus. \$22.95.

A Development of the Equations of Electromagnetism in Material Continua. Harry F. Tiersten. Springer-Verlag, New York, 1990, xii, 156 pp., illus. \$49. Springer Tracts in Natural Philosophy, vol. 36.

Domestication. The Decline of Environmental Appreciation. Helmut Hemmer. Cambridge University Press, New York, 1990, x, 208 pp., illus. \$69.50. Translated from the German edition (Braunschweig, 1983) by Neil Beckhaus.

Dynamics in Atmospheric Physics. Richard S. Lindzen. Cambridge University Press, New York, 1990, x, 310 pp., illus. \$39.50.

Electron-Positron Annihilation Physics. B. Foster, Ed. Hilger, New York, 1990 (distributor, American Institute of Physics, New York). xii, 231 pp., illus. \$60.

Energetic Charged-Particle Interactions with Atmospheres and Surfaces. R. E. Johnson. Springer-Verlag, New York, 1990, x, 232 pp., illus. \$98. Physics and Chemistry in Space Planetology, vol. 19.

Evolution of the First Nervous Systems. Peter A. V. Anderson, Ed. Plenum, New York, 1990, xxiv, 423 pp., illus. \$95. NATO Advanced Science series, vol. 188. From a workshop, St. Andrew's Scotland, July 1989.

Fire in North American Tallgrass Prairies. Scott L. Collins and Linda L. Wallace, Eds. University of Oklahoma Press, Norman, OK, 1990, xii, 175 pp., illus. \$24.95. From a symposium, Columbus, OH, Aug. 1987.

Foodborne Diseases. Dean O. Cliver, Ed. Academic Press, San Diego, CA, 1990, xviii, 395 pp., illus. \$49.95. Food Science and Technology.

Formation Evaluation II. Log Interpretation. Norman H. Foster and Edward A. Beaumont, Eds. American Association of Petroleum Geologists, Tulsa, OK, 1990, xiv, 600 pp., illus. \$39; paper, \$26. Treatise of Petroleum Geology Reprint Series, no. 17.

Gehechtheid en Dementie. Ouders in de Beleving van Dementerende Ouderen. Bère Miesen. Versluys,

Almere, The Netherlands, 1990. 272 pp., illus. Paper, Dfl. 47.50.

Gems, Granites, and Gravels. Knowing and Using Rocks and Minerals. R. V. Dietrich and Brian J. Skinner. Cambridge University Press, New York, 1990, viii, 173 pp., illus., + plates. \$24.95.

Genesis and the Big Bang. The Discovery of Harmony Between Modern Science and the Bible. Gerald L. Schroeder. Bantam, New York, 1990, xii, 212 pp., illus. \$19.95.

Graft vs. Host Disease. Immunology, Pathophysiology, and Treatment. Steven J. Burakoff *et al.*, Eds. Dekker, New York, 1990, xxii, 725 pp. illus. \$175. Hematology, vol. 12.

Granulites of South India. B. P. Radhakrishna, M. Ramakrishnan, and B. Mahabaleswar, Eds. Geological Society of India, Bangalore, India, 1990, xvi, 502 pp., illus. \$65. Memoir 17, Pichamuthu volume.

Graphite Intercalation Compounds I. Structure and Dynamics. H. Zabel and S. A. Solin, Eds. Springer-Verlag, New York, 1990, xiv, 356 pp., illus. \$69. Springer Series in Materials Science, vol. 14.

Great Mambo Chicken and the Transhuman Condition. Science Slightly Over the Edge. Ed Regis. Addison-Wesley, New York, 1990, viii, 308 pp. \$18.95.

The Greenpeace Book of Dolphins. John May, Ed. Sterling, New York, 1990, 159 pp., illus. \$29.95.

Harnessing Solar Power. The Photovoltaics Challenge. Ken Zweibel. Plenum, New York, 1990, xii, 319 pp., illus. \$24.95.

Health and Medical Aspects of Disaster Preparedness. John C. Duffy, Eds. Plenum, New York, 1990, xii, 184 pp. \$65. NATO Challenges of Modern Society, vol. 14.

Helices and Vector Bundles. Seminaire Rudakov. A. N. Rudakov *et al.* Cambridge University Press, New York, 1990, vi, 143 pp., illus. Paper, \$24.95. London Mathematical Society Lecture Note Series, 148. Translated from the Russian by A. D. King, P. Kobak, and A. Maciocia. From a seminar series, Moscow.

History and Precedent in Environmental Design. Amos Rapoport. Plenum, New York, 1990, xvi, 510 pp., illus. \$65.

History of Syphilis. Claude Quézel. Johns Hopkins University Press, Baltimore, MD, 1990, viii, 342 pp., illus. \$35.95. Translated from the French edition (Paris, 1986) by Judith Braddock and Brian Pike.

Human Immunodeficiency Virus. Innovative Techniques for Isolation and Identification. Narayan C. Khan and Joseph L. Melnick, Eds. Karger, New York, 1990, x, 130 pp., illus. \$99.25. Monographs in Virology, vol. 18.

Human Rights in Africa. Cross-Cultural Perspectives. Abdullahi Ahmed An-Na'im and Francis M. Deng, Eds. Brookings Institution, Washington, DC, 1990, xvi, 399 pp. \$36.95; paper, \$16.95.

Immunocytochemical Techniques. Principles and Practice. Barbara S. Beltz and Gail D. Burd. Blackwell, Cambridge, MA, 1989, xx, 182 pp., illus. Paper, \$39.95.

In Situ Evaluation of Biological Hazards of Environmental Pollutants. Shahbeg S. Sandhu *et al.*, Eds. Plenum, New York, 1990, x, 277 pp., illus. \$65. Environmental Science Research, vol. 38. From a symposium, Chapel Hill, NC, Dec. 1988.

Integrated Pollution Control in Europe and North America. Nigel Haigh and Frances Irwin, Eds. Conservation Foundation, Washington, DC, and Institute for European Environmental Policy, London, 1990, xiv, 242 pp., illus. Paper, \$20.

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The International Geosphere-Biosphere Programme. A Study of Global Change: The Initial Core Projects. IGBP Secretariat, Stockholm, 1990, vi, 312 pp., illus. Global Change. Report no. 12, 1990.

Introduction to Uniform Spaces. I. M. James. Cambridge University Press, New York, 1990, viii, 148 pp., illus. Paper, \$24.95. London Mathematical Society Lecture Note series, 144.

Ionizing Radiation Damage to DNA. Molecular Aspects. Susan S. Wallace and Robert B. Painter, Eds. Wiley-Liss, New York, 1990, xx, 331 pp., illus. \$98. UCLA Symposia on Molecular and Cellular Biology, new series, vol. 136. From a colloquium, Lake Tahoe, CA, Jan. 1990.

Iterative Functional Equations. Marek Kuczma, Bogdan Choczewski, and Roman Ger. Cambridge University Press, New York, 1990, xx, 552 pp. \$99.50. Encyclopedia of Mathematics and Its Applications, vol. 32.

The Kinsey Institute New Report on Sex. What You Must Know to Be Sexually Literate. June M.

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Knowledge of Time and Space. Tarthang Tulku. Dharma, Oakland, CA, 1990. xxii, 517 pp. Paper, \$14.95.

Liberating Systems Theory. Robert L. Flood. Plenum, New York, 1990. xviii, 247 pp., illus. \$49.50. Contemporary Systems Thinking.

Light and Life in the Sea. Peter J. Herring *et al.*, Eds. Cambridge University Press, New York, 1990. x, 357 pp., illus. \$59.50. From a symposium, Plymouth, U.K., April 1989.

Lipofuscin and Ceroid Pigments. Eduardo A. Porta, Ed. Plenum, New York, 1990. xii, 378 pp., illus. \$85. Advances in Experimental Medicine and Biology, vol. 266. From a symposium, Maui, Hawaii, Aug. 1989.

Liquid-Crystalline Polymers. R. A. Weiss and C. K. Ober, Eds. American Chemical Society, Washington, DC, 1990. x, 508 pp., illus. \$99.95. ACS Symposium Series, 435. From a symposium, Miami Beach, FL, Sept. 1989.

The Logic of Social Control. Allan V. Horowitz. Plenum, New York, 1990. xvi, 290 pp. \$35.

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Man After Man. An Anthropology of the Future. Dougal Dixon. St. Martin's, New York, 1990. 128 pp., illus. \$19.95.

Managing Planet Earth. Perspectives on Population, Ecology, and the Law. Miguel A. Santos. Bergin and Garvey, New York, 1990. xiv, 173 pp., illus. \$37.95.

Marine Geological Surveying and Sampling. E. A. Hailwood and R. B. Kidd, Eds. x, 169 pp., illus. \$109. From a meeting, London, May 1988.

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Metaphors in the History of Psychology. David E. Leary, Ed. Cambridge University Press, New York, 1990. xiv, 383 pp. \$49.50. Cambridge Studies in the History of Psychology.

Methods in Enzymology. Vol. 187, Arachidonate Related Lipid Mediators. Robert C. Murphy and Frank A. Fitzpatrick, Eds. Academic Press, San Diego, CA, 1990. xxxviii, 683 pp., illus. \$85.

Modeling and Parameter Estimation in Respiratory Control. Michael C. K. Khoo, Ed. Plenum, New York, 1990. xii, 208 pp., illus. \$65. From a course, Marina del Rey, CA, May 1989.

Molecular Biology and Differentiation of Megakaryocytes. Janine Breton-Gorius *et al.*, Eds. Wiley-Liss, New York, 1990. xx, 372 pp., illus. \$98. Progress in Clinical and Biological Research, vol. 356. From a conference, Dijon, France, July 1989.

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Molecular Genetics of Chromosome 21 and Down Syndrome. David Patterson and Charles J. Epstein, Eds. Wiley-Liss, New York, 1990. xvi, 294 pp., illus. \$84. Progress in Clinical and Biological Research, vol. 360. From a symposium, New York, Dec. 1989.

More C Tools. For Scientists and Engineers. Louis Baker. McGraw-Hill, New York, 1990. xii, 308 pp., illus. Paper, \$29.95.

Multidisciplinary Perspectives on Menopause. Marcha Flint, Fredi Kronenberg, and Wulf Utian, Eds. New York Academy of Sciences, New York, 1990. xii, 488 pp., illus. Cloth or paper, \$100. Annals of the New York Academy of Sciences, vol. 592. From a conference, New York, Sept. 1989.

The Nature and Origin of Cordilleran Magmatism. J. Lawford Anderson, Ed. Geological Society of America, Boulder CO, 1990. xii, 414 pp., illus. \$65. GSA Memoir 174.

The Necessity of Choice. Nineteenth-Century Political Thought. Louis Hartz. Paul Roazen, Ed. Transaction, New Brunswick, NJ, 1990. xii, 215 pp. \$24.95.

Neuroanatomy of the Oculomotor System. Jean A. Büttner-Ennever, Ed. Elsevier, New York, 1988. xx,

489 pp., illus. \$192.50. Reviews of Oculomotor Research, vol. 2.

The Neurobiology of Saccadic Eye Movements. Robert H. Wurtz and Michael E. Goldberg, Eds. Elsevier, New York, 1989. xxii, 424 pp., illus. \$184.75. Reviews of Oculomotor Research, vol. 3.

Neuropeptides and Immunopeptides. Messengers in a Neuroimmune Axis. M. Sue O'Dorisio and Alberto Panerai, Eds. New York Academy of Sciences, New York, 1990. xvi, 503 pp., illus. Cloth or paper, \$119. Annals of the New York Academy of Sciences, vol. 594. From a conference, New York, Oct. 1989.

Neurophysiological Techniques. Applications to Neural Systems. Alan A. Boulton, Glen B. Baker, and Case H. Vanderwolf, Eds. Humana, Clifton, NJ, 1990. xiv, 377 pp., illus. \$79.50. Neuromethods, 15.

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New Strategy Through Space. Neville Brown. Leicester University Press (Pinter), New York, 1990. xii, 295 pp. \$49.

Nonlinear Optics and Optical Computing. S. Martellucci and A. N. Chester, Eds. Plenum, 285 pp., illus. \$69.50. Ettore Majorana International Science Series, vol. 49. From a course, Erice, Italy, May 1988.

The Nuclear Energy Option. An Alternative for the 90s. Bernard L. Cohen. Plenum, New York, 1990. x, 338 pp., illus. \$24.95.

The Nuclear Equation of State. Part A: Discovery of Nuclear Shock Waves and the EOS. Walter Greiner and Horst Stöcker, Eds. Plenum, New York, 1990. xiv, 802 pp., illus. \$139.50. NATO Advanced Sciences Institutes Series, vol. 216A. From a study institute, Peniscola, Spain, May 1989.

The Nutrition Desk Reference. Robert H. Garrison, Jr., and Elizabeth Somer. 2nd ed. Keats, New Canaan, CT, 1990. xiv, 306 pp., illus. Paper, \$15.95.

On Mood Swings. The Psychobiology of Elation and Depression. Susanne P. Schad-Somers. Plenum, New York, 1990. xvi, 284 pp. \$23.50. An Insight Book.

Operational Efficiency in Forestry. Vol. 2, Practice. C. R. Silversides and U. Sundberg. Kluwer, Norwell, MA, 1989. xviii, 169 pp., illus. \$53.50. Forestry Sciences.

The Organization of Learning. C. R. Gallistel. MIT Press, Cambridge, MA, 1990. xii, 648 pp., illus. \$45. Learning, Development, and Conceptual Change. A Bradford Book.

Ozone in the Atmosphere. Rumen D. Bojkov and Peter Fabian, Eds. Deepak, Hampton, VA, 1989. xxvi, 822 pp., illus. \$73. Studies in Geophysical Optics and Remote Sensing. From a workshop, Göttingen, F.R.G., Aug. 1988.

Parkinson's Disease. Anatomy, Pathology, and Therapy. Max B. Streifler *et al.*, Eds. Raven, New York, 1990. xxviii, 596 pp., illus. \$125. Advances in Neurology, vol. 53. From a symposium, Jerusalem, Israel, June 1988.

Particle Physics. Cargèse 1989. Maurice Levy *et al.*, Eds. Plenum, New York, 1990. x, 358 pp., illus. \$85. NATO Advanced Science Institute Series, vol. 223. From a study institute, Cargèse, France, July 1989.

Pathology of Gene Expression. Luigi Frati and Stuart A. Aaronson, Eds. Raven, New York, 1990. xii, 364 pp., illus. Paper, \$75. Sero Symposium Series. Advances in Experimental Medicine, vol. 2. From a symposium.

Peaceful Measures. Canada's Way Out of the 'War on Drugs.' Bruce K. Alexander. University of Toronto Press, Buffalo, NY, 1990. xiv, 401 pp., illus. Paper, \$19.95.

Pearls in Graph Theory. A Comprehensive Introduction. Nora Hartsfield and Gerhard Ringel. Academic Press, San Diego, CA, 1990. x, 246 pp., illus. \$29.95.

Perception and Control of Self-Motion. Rick Warren and Alexander H. Wertheim, Eds. Erlbaum, Hillsdale, NJ, 1990. xxii, 647 pp., illus. \$69.95; paper, \$29.95. Resources for Ecological Psychology.

Phospholipase A₂. Role and Function in Inflammation. Patrick Y.-K. Wong and Edward A. Dennis, Eds. Plenum, New York, 1990. viii, 199 pp., illus. \$59.50. Advances in Experimental Medicine and Biology, vol. 275. From a symposium, New York, Jan. 1989.

Plant Biology of the Basin and Range. C. B. Osmond, L. F. Pitelka, and G. M. Hidy, Eds. Springer-Verlag, New York, 1990. xvi, 374 pp., illus., + plates.

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Polar and Arctic Lows. Paul F. Twitchell, Erik A. Rasmussen, and Kenneth L. Davidson, Eds. Deepak, Hampton, VA, 1989. xvi, 421 pp., illus. \$60. Studies in Geophysical Optics and Remote Sensing. From a conference, Madison, WI, Mar. 1988.

The Protectors. Harry J. Anslinger and the Federal Bureau of Narcotics, 1930-1962. John C. McWilliams. University of Delaware Press, Newark, DE, 1990. 251 pp. \$37.50.

Psychoanalytic Knowledge. Eugene B. Brody. International Universities Press, Madison, CT, 1990. vi, 246 pp. \$30.

Radiolabelled Cellular Blood Elements. Helmut Sinzinger and Mathew L. Thakur, Eds. Wiley, New York, 1990. xxiv, 379 pp., illus. \$98. Progress in Clinical and Biological Research, vol. 355. From a symposium, Vienna, Sept. 1989.

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Regulation of Gene Expression in the Nervous System. Anna Maria Giuffrida Stella, Jean de Vellis, and J. Regino Perez-Polo, Eds. Wiley-Liss, New York, 1990. xxiv, 465 pp., illus. \$124.95. Neurology and Neurobiology. From a meeting, Catania, Italy, July 1989.

Representation Theory and Automorphic Functions. I. M. Gel'fand, M. I. Graev, and I. I. Pyatetskii-Shapiro. Academic Press, San Diego, CA, 1990. xviii, 426 pp. Paper, \$39.50. Generalized Functions, vol. 6. Translated from the Russian edition by K. A. Hirsch. Reprint, 1968 ed.

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Restricted Environmental Stimulation. Theoretical and Empirical Developments in Flotation REST. P. Suedfeld, J. W. Turner, Jr., and T. H. Fine, Eds. Springer-Verlag, New York, 1990. xx, 216 pp., illus. \$35. Recent Research in Psychology.

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Robotics in Science. Joseph F. Engelberger. MIT Press, Cambridge, MA, 1989. 248 pp., illus. \$37.50.

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York Academy of Sciences, New York, 1990. xiv, 489 pp., illus. Cloth or paper, \$100. Annals of the New York Academy of Sciences, vol. 595. From a symposium, Taormina, Italy, Mar. 1989.

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ANNUAL MEETING OF THE
EUROPEAN SOCIETY OF HUMAN GENETICS

A PLATFORM FOR HUMAN GENETICISTS FROM ALL OVER EUROPE AT THE OCCASION OF THE 25TH ANNIVERSARY OF THE CENTER FOR HUMAN GENETICS, LEUVEN

JULY 13 - 16, 1991 - LEUVEN (BELGIUM)

3 PLENARY SESSIONS: 12 REVIEWS BY TOP EXPERTS

6 CONCURRENT SESSIONS: 48 ORAL PRESENTATIONS
BY SELECTED PARTICIPANTS

POSTER SESSIONS: TOPICS IN HUMAN GENETICS FROM
CLINICAL TO MOLECULAR GENETICS

IN ADDITION OPPORTUNITIES FOR COMPUSHARE, SYLLABUSHARE, VIDEOSHARE, CURBSTONE CONSULTATIONS IN SYNDROMOLOGY, GENETIC COUNSELING, RISK CALCULATIONS

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Women, Work, and Child Welfare in the Third World

Editors: **Joanne Leslie**, international nutrition consultant, and **Michael Paolisso**, anthropologist with the International Center for Research on Women.

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Frontiers in Basic Sciences That Relate to
Heart, Lung, and Blood Diseases Symposium:

Molecular and Cellular Biology of Cystic Fibrosis:

Basic Concepts and Strategies for New Therapies

February 21-22, 1991
Masur Auditorium
National Institutes of Health
Bethesda, Maryland

Sponsored by The
National Heart, Lung, and
Blood Institute (NHLBI) and
The Cystic Fibrosis Foundation

The symposium is the sixteenth in the series of "Frontier in Basic Sciences That Relate to Heart, Lung, and Blood Diseases." This series is conducted by NHLBI to capitalize on and transfer the progress achieved in basic science disciplines to clinical research programs. Through the pursuit of new knowledge concerning the fundamental aspects of the life processes relating to heart, lung, and blood diseases, it is hoped that better approaches to disease prevention and control will be discovered. At this symposium, leading researchers and experts in the field will present their views on the state of the science, the problems facing current understanding, and anticipated future developments in the research of cystic fibrosis.

The symposium will be chaired by Dr. Ronald G. Crystal of the National Heart, Lung, and Blood Institute, Bethesda, Maryland, Dr. Arthur Beaudet of Baylor College of Medicine, Houston, Texas, and Dr. William B. Guggino of The Johns Hopkins University, Baltimore, Maryland. Presentations will be structured around the following topics: the cystic fibrosis gene; the normal and cystic fibrosis phenotype; and strategies for new therapies. Presentations by noted experts will be followed by open discussion.

The speakers are Arthur Beaudet, Richard C. Boucher, Francis S. Collins, Ronald G. Crystal, Raymond A. Frizzell, Alfred G. Gilman, William B. Guggino, Christopher Higgins, Gerald B. Pier, John R. Riordan, Steven Shak, Alan E. Smith, Lap-Chee Tsui, Michael Welsh.

For further information and registration materials, please contact:
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